

CERTIFICATE OF SURVEY
DEPENDENT RESURVEY AND SECTION SUBDIVISION
OF SECTION 30, T.32N., R.31W., P.M.M.
KOOTENAI NATIONAL FOREST
LINCOLN COUNTY, MONTANA **DECEMBER 1986**

This survey was made at my request for National Forest management purposes.

James F. Rathbun
James F. Rathbun, Forest Supervisor

Purpose of Survey:

The purpose of this survey is to locate upon the ground the record title lines between private and National Forest System Lands. Therefore no division of land is hereby created.

Basis of Bearing:

The basis of bearing is the true meridian, rotated $-04^{\circ}33'43''$ about the south 1/4 section 30, and derived from record state plane coordinate values for stations: "Sheldon" (USC&GS), "Flat", "Gravel", "Pit", "Ranger", and "Sand" (All BPA).

Method of Survey:

The survey shown hereon was conducted utilizing conventional traverse and triangulation methods, using a Leitz Set 2 Total Station and a Geodimeter 14A medium range electronic distance meter. This survey was accomplished utilizing the Montana State Plane Coordinate System - North Zone, the values shown on this certificate have been rotated to true meridian by a theta angle of $-04^{\circ}33'43''$, and grid distances have been scaled up to 2800 foot elevation using a combination factor of 1.0001554. The Montana State Plane Coordinate System - North Zone value for the south 1/4 section 30 is Y = 606,224; X = 519,751 based on the tie to USC&GS station "Sheldon".

Legal Description:

National Forest System Lands described hereon: E1/2 E1/2 NE1/4; W1/2 W1/2 NE1/4; E1/2 NW1/4; Lots 1 & 2
Total Acreage: ± 237.25 acres

Private Lands described hereon: E1/2 W1/2 NE1/4; W1/2 E1/2 NE1/4; SE 1/4; Total Acreage: ± 240.83 acres

History of Survey:

Original Surveys - Completed August 21, 1901 by Abram L. Jaqueth.

BLM Remonumentation of Certain Corners in T32N R31W - September 18, 1970 by Joseph E. French.

No Private Surveys are recorded in Section 30.

Surveyor's Note:

The East 1/4 section corner was determined lost and its position was established by single proportion between the sections corners.

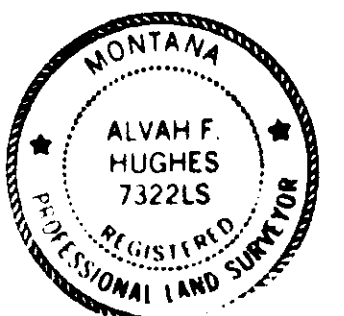
The second order triangulation station "Sheldon" was established by the USC and GS in 1959 on Sheldon Mtn. at 4480 feet elevation. The State plane values - Montana North Zone are Y = 584,482.31, X = 539,458.68 with a theta angle of $-04^{\circ}29'47''$.

Refer to the Corner Recordations filed for each corner shown hereon, with the Clerk and Recorder, Lincoln County Courthouse, Libby, Montana.

Certificate:

I hereby certify that I am a Registered Land Surveyor in the State of Montana, that the survey shown on this Certificate has been prepared in accordance with the Montana code annotated (Sections 76-3-101 through 76-3-614) and the Lincoln County regulations adopted pursuant thereto.

Alvah F. Hughes 73225
Alvah F. Hughes, Montana Registration No. 73225



Certificate of Examining Land Surveyor:

Approved this 11th day of February 1987, A.D.

Bill Bickel
Examining Land Surveyor Registration No.

Approved *Joe E. Sullivan*
Chairman, Lincoln County Commissioners

Certificate of Clerk and Recorder:

State of Montana, County of Lincoln, filed this 11th day of Feb. 1987 A.D. at 11:35 o'clock A. M.

Janet B. J. Siegel by *Sherry L. Hawks*
County Clerk Recorder Deputy

Certificate of Survey No. 1547

- Legend:**
- Set a 2-1/2 inch diameter x 30 inches long aluminum post with a 3-1/4 inch diameter aluminum cap.
 - Set a 3/4 inch diameter x 30 inches long aluminum rod with a 3-1/4 inch diameter aluminum cap.
 - Set a 2-1/2 inch diameter x 30 inches long aluminum post with a 3-1/4 inch diameter aluminum cap, monumented from original evidence.
 - Found a BLM 2-1/2 inch diameter iron post monument with a 3-1/4 inch diameter brass cap, remonumented from original evidence.
- Brushed, blazed and posted line
- Section line
- Section subdivisional line

